

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/000629

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ C12N15/09, C07K16/28, C12N5/08, C12P21/08, C12Q1/68,
C12Q1/02, G01N33/50, G01N33/53, A61P25/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ C12N15/09, C07K16/28, C12N5/08, C12P21/08, C12Q1/68,
C12Q1/02, G01N33/50, G01N33/53, A61P25/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

SwissProt/PIR/GeneSeq, GenBank/EMBL/DDBJ/Geneseq, WPI (DIALOG),
BIOSIS (DIALOG), MEDLINE (STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	WO 99/64608 A1 (Schering AG.), 16 December, 1999 (16.12.99), & EP 1084259 A1 & JP 2002-517253 A	2 1,3-8
X A	WO 01/057194 A2 (Corvas Int Inc.), 09 August, 2001 (09.08.01), & EP 1252300 A2 & US 2003/0119168 A1 & JP 2003-521920 A	2 1,3-8
X A	Hooper, J.D. et al., Localization of the mosaic transmembrane serine protease corin to heart myocytes., Eur.J.Biochem., Vol.267, No.23, pages 6931 to 6937 (2000)	2 1,3-8
X A	WO 00/06700 A1 (Layton Bioscience Inc.), 10 February, 2000 (10.02.00), & EP 1109887 A1	6-8 1-5

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
20 February, 2004 (20.02.04)

Date of mailing of the international search report
09 March, 2004 (09.03.04)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6277820 B1 (Genentech Inc.),	6
A	21 August, 2001 (21.08.01), (Family: none)	1-5
A	Yan, W. et al., Corin, a mosaic transmembrane serine protease encoded by a novel cDNA from human heart., J.Biol.Chem., Vol.274, No.21, pages 14926 to 14935, (1999)	1-8
A	Tomita, Y. et al., A novel low-density lipoprotein receptor-related protein with type II membrane protein-like structure is abundant in heart., J. Biochem., Vol.124, No.4, pages 784 to 789, (1998)	1-8

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Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of Item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:

a. type of material

a sequence listing

table(s) related to the sequence listing

b. format of material

in written format

in computer readable form

c. time of filing/furnishing

contained in the international application as filed

filed together with the international application in computer readable form

furnished subsequently to this Authority for the purposes of search

2. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments: